



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342540 - REAR AXLE



**Sample No:** VCP0007591  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007591</b>	VCP336950	VCP300171	---
Sample Date	<b>06 Jul 2023</b>	09 Nov 2021	12 Feb 2021	---
Machine Hours	<b>0</b>	4094	3069	---
Oil Hours	<b>0</b>	2000	1000	---
Oil Changed	<b>N/A</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

**QGS - QUALITY GRASSES SERV/TCF LEASING**  
 17502 CR 672  
 LITHIA, FL  
 US 33547  
 Contact: GARY ROGERS  
 grogers@qgsdevelopment.com  
 T: (813)323-4119  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>300</b>	297	▲ 51.2	---
-------------	-----	------------	-----	--------	-----



### CONTAMINATION

Silicon	ppm	<b>14</b>	4	5	---
Sodium	ppm	<b>0</b>	1	3	---
Potassium	ppm	<b>1</b>	<1	0	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>104</b>	74	380	---
Copper	ppm	<b>1</b>	2	5	---
Lead	ppm	<b>0</b>	1	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>0</b>	<1	<1	---
Chromium	ppm	<b>2</b>	2	5	---
Molybdenum	ppm	<b>3</b>	2	6	---
Nickel	ppm	<b>&lt;1</b>	1	2	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>&lt;1</b>	3	<1	---
Manganese	ppm	<b>4</b>	4	10	---
Vanadium	ppm	<b>0</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>35</b>	65	122	---
Magnesium	ppm	<b>10</b>	7	<1	---
Zinc	ppm	<b>44</b>	31	43	---
Phosphorus	ppm	<b>997</b>	1006	2415	---
Barium	ppm	<b>0</b>	<1	0	---
Boron	ppm	<b>204</b>	179	180	---

**Depot:** QUALITFL  
**Unique No:** 10549877  
**Signed:** Sean Felton  
**Report Date:** 11 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

